

21 June 2006

ATTORNEY DOCKET NUMBER

58927US004

U.S. APPLICATION NO. (if known, see 37 CFR § 1.5)

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 USC § 371**

INTERNATIONAL APPLICATION NO.

PCT/US2004/042793

INTERNATIONAL FILING DATE

17 December 2004

PRIORITY DATE CLAIMED

30 December 2003

TITLE OF INVENTION

ESTIMATING PROPAGATION VELOCITY THROUGH A SURFACE ACOUSTIC WAVE SENSOR

APPLICANT(S) FOR DO/EO/US

Wenyuan Xu and John S. Huizinga

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 USC § 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 USC § 371.
3. ☐ This is an express request to begin national examination procedures (35 USC § 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 USC § 371(c)(2)).
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as filed (35 USC § 371(c)(2)).
 - a. ☐ is attached hereto
 - b. ☐ has been previously submitted under 35 USC § 154(d)(4)
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 USC § 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 USC § 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 USC § 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC §§ 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR §§ 1.97 and 1.98.
12. ☒ An assignment to 3M Innovative Properties Company will follow.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR § 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13~~ter~~.2 and 37 CFR §§ 1.821 – 1.825.
18. ☐ A second copy of the published international application under 35 USC § 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 USC § 154(d)(4).
20. ☐ Other items or information:

☒ Customer Number for
Correspondence Address:**32692**

U.S. APPLICATION NO. (if known, see 37 CFR § 1.5)		INTERNATIONAL APPLICATION NO. PCT/US2004/042793		ATTORNEY'S DOCKET NO. 58927US004			
The following fees will be paid via EFS-Web at the time of filing:				Calculations	PTO Use Only		
21.	<input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))		\$300	\$ 300.00			
22.	<input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))			\$			
	If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....			\$0			
	All other situations.....			\$ 200.00			
23.	<input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))			\$			
	If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....			\$0			
	Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....			\$100			
	International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....			\$ 400.00			
	All other situations.....			\$500			
TOTAL OF 21, 22, and 23				\$ 900.00			
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.							
FEE CALCULATION	NUMBER FILED	(Minus 25%) EFS Filing	Minus 100	Calc. Extra	RATE (for ea. add'l 50)	Fees	
Application Size Fee		multiplied by .75	delete 100	divide by 50 (round up to nearest 50)	\$ 250.00	\$ 0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR § 1.492(e))					\$ 0.00		
CLAIMS		NUMBER FILED		EXTRA	RATE	Fees	
Total claims		34		- 20 =	14	x \$ 50.00	\$ 700.00
Independent claims		3		- 3 =	0	x \$200.00	\$ 0.00
Add'l fee for one or more multiple dependent claims					\$360.00	\$ 0.00	
TOTAL AMOUNT DUE					\$ 1600.00		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR § 1.27 The fees indicated above are reduced by 1/2					\$ 0.00		
SUBTOTAL					\$ 1600.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest priority date (37 CFR § 1.492(f))					\$ 0.00		
TOTAL NATIONAL FEE					\$ 1600.00		
Fee for recording the enclosed assignment (37 CFR § 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR §§ 3.28, 3.31). \$40.00 per property					\$ 0.00		
TOTAL FEES ENCLOSED					\$ 1600.00		
					Amount to be refunded	\$	
					Amount to be charged	\$1,600.00	

- a. ☒ Fees will be paid via EFS-Web at the time of filing.
- b. ☐ Please charge my Deposit Account No. 13-3723 in the amount of \$ _____ to cover the above fees.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-3723

NOTE: Where an appropriate time limit under 37 CFR § 1.495 has not been met, a petition to revive (37 CFR § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

Signature

James A. Baker

Name

James A. Baker

Registration Number

44,520

Address

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 3M Innovative Properties Company
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 St. Paul, Minnesota 55133-3427